

I claim:

1. An apparatus for the remote monitoring of audio signals, comprising:
a portable transponder;
a fixed receiver for detecting an audio signal present in a monitored region and
5 determining an identity of the audio signal detected, for determining an identity of the portable
transponder when the transponder is present in the monitored region, and for associating the
identity of the transponder with the identity of the audio signal detected over a dwell time of the
transponder in the monitored region.
- 10 2. The apparatus of claim 1, wherein the transponder is a transponder carried by an
individual.
3. The apparatus of claim 1, wherein the fixed receiver includes a microphone
circuit for detecting the audio signal.
- 15 4. The apparatus of claim 1, wherein the fixed receiver includes means for storing
the association between the identities of the transponder and audio signal.
5. The apparatus of claim 1, wherein the audio signal is the audio portion of a
20 received radio or television broadcast.
6. A method for the remote monitoring of audio signals, comprising the steps of:
monitoring a designated region for the presence of an audio signal;
processing the audio signal to determine its identity;
25 simultaneously monitoring the region for the presence of a transponder;

identifying the transponder and its dwell time within the region and the identity of the audio signal, and the dwell time in the region; and

generating a record correlating the transponder, its dwell time, and the identity of the audio signal.

5

7. An apparatus for the remote monitoring of audio signals, comprising:

a portable transponder;

means for detecting an audio signal present in a monitored region and determining an identity of the audio signal detected;

10 means for determining an identity of the portable transponder when the transponder is present in the monitored region;

and means for generating a record associating the identity of the transponder with the identity of the audio signal detected over a dwell time of the transponder in the monitored region.

15

8. The apparatus of claim 7 wherein at least the means for detecting an audio signal and determining an identity thereof is at a fixed location.

9. The apparatus of claim 8, wherein the transponder is a transponder carried by an individual.

20

10. The apparatus of claim 8, wherein the means for detecting an audio signal comprises a microphone.

25

11. The apparatus of claim 8, further including means for storing the record at the fixed location.

12. The apparatus of claim 7, wherein the audio signals are the audio portions of received radio or television broadcasts.

5 13. The apparatus of claim 7 further comprising means associated with the means for determining the identity of the transponder for causing the transponder to emit an identification signal only when in the monitored region.